

INCH-POUND

MS27238A
22 September 2000
SUPERSEDING
MS27238
6 August 1964

DETAIL SPECIFICATION SHEET

WIRE, NUT RETAINING, DESIGNED FOR ADAPTER, HOSE TO TUBE,
REUSABLE, HYDRAULIC, FUEL AND OIL LINES

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-5070E.

REQUIREMENTS.

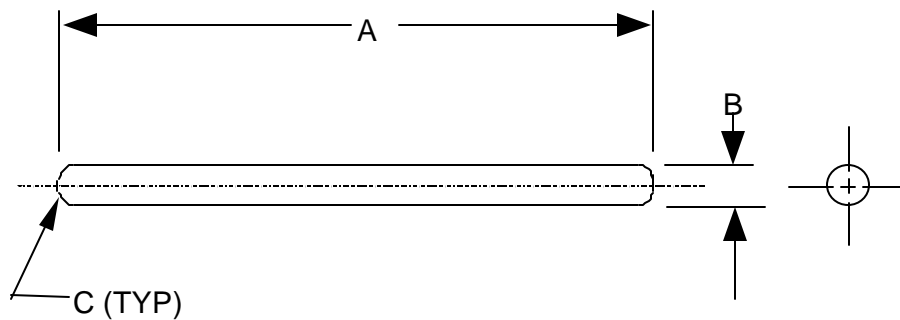


FIGURE 1. Wire illustration.

TABLE I. Wire composition.

| PIN | A | B | C | PIN | A | B | C |
|---------|-------|--------------|--------------|---------|-------|--------------|--------------|
| MS27238 | ±.015 | | | MS27238 | ±.015 | | |
| -4 | 1.203 | .072 .067 | .036 .016 | -12 | 2.938 | .125 .121 | .060 .040 |
| -5 | 1.438 | .080 | .040 | -16 | 3.703 | | |
| -6 | 1.625 | .076 | .020 | -20 | 4.688 | | |
| -8 | 2.031 | .095 | .047 | -24 | 5.469 | | |
| -10 | 2.391 | .091 | .027 | -32 | 7.453 | | |

Dimensions and tolerances. Dimensions are in inches. Wire shall be straight within .020 total indicator reading.

Material. Sizes -4 through -10 shall be corrosion-resistant steel, 305, condition A, cold finished in accordance with SAE AMS-QQ-S-763.

Sizes -12 through -32 shall be aluminum alloy 2024, T351 or T4 temper, in accordance with SAE AMS-QQ-A-225/6.

Finish. Sizes -4 through -10: Steel. Passivate in accordance with SAE AMS QQ-P-35.

Sizes -12 through -32: Aluminum. Anodize in accordance with MIL-A-8625, Type II.

Surface roughness. Unless otherwise specified, maximum surface roughness shall be 125 μ in R_a in accordance with ASME B46.1.

Workmanship. Wire shall be free from scale, burrs, and slivers.

Identification of product. The PIN for this part shall be as shown in table I (e.g., MS27238-4).

Order of precedence. This specification sheet takes precedence over the documents referenced herein. Unless otherwise specified in the solicitation, referenced documents shall be of the issue in effect on the date of solicitation.

CHANGES FROM PREVIOUS ISSUE. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-0711)

Review activities:

Army - AV
Navy - MC, SA
Air Force - 11, 82